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Dräger Product Security Advisory

Microsoft Windows RDP RCE Security Advisory for CVE-2019-0708

>> Dräger Medical Devices are not affected by CVE-2019-0708.

>> Customer-Maintained Operating Systems can be patched according to the table in this document.

To whom it may concern,

On May 14, 2019, Microsoft released information about a vulnerability in Microsoft Windows Remote Desktop Services / Terminal Services that allows remote attackers to execute arbitrary code via crafted packets. It is “wormable” and allows attackers to write exploits like WannaCry. The vulnerability was published as Microsoft TechNet Blogpost[1] on May 14, 2019. Microsoft sees it very likely that corporations unable to roll out the critical patches[2,3] can fall prey to this type of cyberattack in the near future.

At Dräger, your cybersecurity is our priority, which is why the product security team proactively tested all products that use Windows operating systems specifically for this vulnerability. The results confirmed that these products were either not exposed or could be protected by performing routine OS patching.

[1] https://blogs.technet.microsoft.com/msrc/2019/05/14/prevent-a-worm-by-updating-remote-desktop-services-cve-2019-0708/
[2] https://support.microsoft.com/en-us/help/4500705/customer-guidance-for-cve-2019-0708
[3] https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2019-0708

Our medical devices running versions of Microsoft Windows without the two aforementioned patches remain secure due to the hardening of the operating systems. Our products run only the software and services needed for the operation of the device, therefore all embedded devices have RDP disabled, as it is not used. As a second line of defense, a software firewall independent from the operating system shields all network ports from traffic when they are not in use.

Product	Status
Infinity® Acute Care System (any version)	Not exposed: service disabled, port firewalled
Infinity® Explorer VF9/VF10 (Windows 7)	Update with the May rollup KB4499164
Infinity® Explorer older versions (Windows XP)	Security update for XP KB4500331
Gateway/Symphony (Server 2008R2)	Update with the May rollup KB4499164
Gateway (old) (Server 2003)	Security update for XP KB4500331
Innovian® Solution Suite	Update with the May rollup KB4499164
Innovian® Anesthesia (Windows 7, Windows 10)	Update with the May rollup KB4499164
Zeus® Infinity® Empowered (Windows XP)	Not exposed: service disabled, port firewalled
SmartPilot® View 3.0n (Windows 7)	Update with the May rollup KB4499164

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SmartPilot® View 2.0n (Windows XP)	Security update for XP KB4500331
Evita® V300 (Windows XP)	Not exposed: service disabled, port firewalled
Evita® Infinity® V500 (Windows XP)	Not exposed: service disabled, port firewalled
Babylog® VN500 (Windows XP)	Not exposed: service disabled, port firewalled
PulmoVista® 500 (Windows XP)	Not exposed: service disabled, port firewalled
Integrated Care Manager (ICM) (Windows 2008 Server, Windows 2012 Server, Windows 7)	Update with the May rollup KB4499164
Integrated Care Manager (ICM) (Windows 2003 Server, Windows XP)	Security update for XP KB4500331

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Further Information

- If an update with the aforementioned Microsoft hotfixes is not possible on certain servers, customers should consider blocking TCP and UDP on port 3389 with an internal or external firewall to prevent access to the Remote Desktop Services.
- All other medical devices of Dräger are built or based on other embedded operating systems, which are not affected by this vulnerabilities. These devices include, but are not limited to: the Infinity® CentralStation, Infinity® M300, Infinity® M540, the Infinity Delta monitors, the Apollo®, Primus®, Fabius®, and Perseus® anesthesia devices, the Oxylog® emergency respirators, the Babylog® 8000 plus, Carina®, Evita® 2 dura, Evita® 4, Evita® XL, and Savina® ventilators, the Babyleo®, Caleo®, Isolette® thermoregulation devices.

Dräger routinely tests Microsoft operating system updates on products to verify there is no negative impact on overall software operation. For a copy of the monthly verified update report for Dräger monitoring systems or if you have any further questions related to the global ransomware attack, please contact your designated patient monitoring regional marketing manager. For reporting incidents and potential vulnerabilities in our devices, please refer to https://static.draeger.com/security to contact the Product Security team directly.

Best regards,

Dräger Product Security

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Revisions

Version	Date	Change
1	2019-05-16	Initial Document
2	2019-05-20	Fixed a mistake: the vulnerability was fixed with the May rollup, not with the March rollup.
3	2019-05-22	Added successful ICM verification on Win XP and 7
4	2019-06-04	Added successful SmartPilot View verification on Win XP and 7

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